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2152
#6
BT
9-12-02

PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Commissioner of Patents, Washington, DC 20231.

August 16, 2002
Date

Stephanie Jansen
Stephanie Jansen

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Edward Lo and Fred Wu

Attorney Docket No.: 500742.01

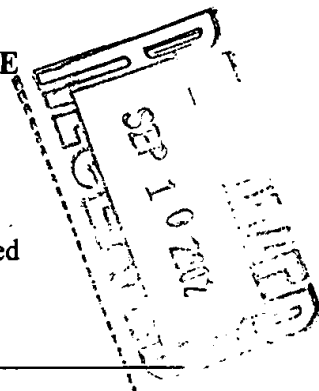
Serial No. : 09/825,184

Group Art Unit : 2152

Filed : April 2, 2001

Examiner : Not yet assigned

Title : SYSTEMS AND METHODS FOR ENHANCING CONNECTIVITY



INFORMATION DISCLOSURE STATEMENT

RECEIVED

Commissioner of Patents
Washington, D.C. 20231

AUG 27 2002

Technology Center 2100

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references, as required under 37 C.F.R. § 1.98, are enclosed). Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

I hereby certify that each of the references set forth on the attached form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

DORSEY & WHITNEY LLP

A handwritten signature in black ink, appearing to read 'Mark W. Roberts', written in a cursive style.

Mark W. Roberts, Ph.D.
Registration No. 46,160

MWR:sj

Enclosures:

Postcard
Fee Transmittal Sheet (+ copy)
Form PTO-1449
Cited References (6)

1420 Fifth Avenue, Suite 3400
Seattle, WA 98101
Telephone (206) 903-8800
Facsimile (206) 903-8820

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
500742.01APPLICATION NO.
09/825,184COPY OF PAPERS
ORIGINALLY FILED

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)

Edward Lo and Fred Wu

FILING DATE

April 2, 2001

GROUP ART UNIT

2152

U.S. PATENT DOCUMENTS

INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						

RECEIVED

AUG 27 2002

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
AG						

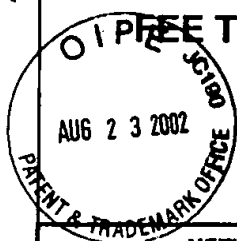
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AH	Keller, A.M., et al., "Zippering: Managing intermittent connectivity in DIANA", <i>Mobile Networks and Applications</i> , 1997, Baltzer Science Publishers, Netherlands, vol. 2, no. 4, pp. 357-364
AI	Mazer, M.S., et al., "Writing the Web While Disconnected", <i>IEEE Personal Communications</i> , Oct. 1998, IEEE, USA, vol. 5, no. 5, pp. 35-41.
AJ	Alanko, T., et al., "Mowgli: Improvements for Internet Applications Using Slow Wireless Links", <i>Waves of the Year 2000+ PIMRC '97. The 8th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications</i> ", Technical Program Proceedings, vol. 3, pp. 1038-1042.
AK	La Porta, T.F., et al., "Challenges for nomadic computing: Mobility management and wireless communications", <i>Journal of Special Topics in Mobile Network Applications</i> , August 1996, Baltzer Science Publishers, Netherlands, vol. 1, no. 1, pp. 3-16.
AL	Kleinrock, L., "Nomadicity: Anytime, anywhere in a disconnected world", <i>Journal of Special Topics in Mobile Networks and Applications</i> , Baltzer Science Publishers, Netherlands, vol. 1, no. 4, pp. 351-357.
AM	Mummert, L.B., et al., "Exploiting Weak Connectivity for Mobile File Access," Fifteenth AC Symposium on Operating Systems Principles, <i>Operating Systems Review</i> , Dec. 1995, vol. 29, no. 5, pp. 143-155

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



FREE TRANSMITTAL SHEET (FOR FY 2002)

Complete If Known

Application No. 09/825,184
Filing Date April 2, 2001
First Named Inventor Edward Lo
Group Art Unit 2152
Examiner Not yet assigned
Atty. Docket Number 500742.01

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METHOD OF PAYMENT (Check One)

1. ☒ The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP

2. ☐ Check Enclosed

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
101	740	201	370	<input type="checkbox"/> Utility Filing Fee
106	330	206	165	<input type="checkbox"/> Design Filing Fee
108	740	208	370	<input type="checkbox"/> Reissue Filing Fee
114	160	214	80	<input type="checkbox"/> Provisional Filing Fee

Subtotal (1) \$ 0

2. EXTRA CLAIM FEES

Current Claims	Prior	Extra	Fee	Fee Paid
Total 11	-	20	= 0 x \$ 18	= \$ 0
Ind. 3	-	3	= 0 x \$ 84	= \$ 0
Multiple Dependent Claims			x \$	= \$

Subtotal (2) \$ 0

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent Claim
109	84	209	42	Reissue independent claims over original patent
110	18	210	9	Reissue claims in excess of 20 and over original patent

FEE CALCULATION (Continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee paid
105	130	205	65	Surcharge - Late filing fee or oath	\$
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	\$
139	130	139	130	Non-English specification	\$
147	2,520	147	2,520	For Filing a Request for Reexamination	\$
195	300	196	300	Publication (early or Republication)	\$
115	110	215	55	Extension for reply within first month	\$
116	400	216	200	Extension for reply within 2 nd month	\$
117	920	217	460	Extension for reply within 3 rd month	\$
118	1,440	218	720	Extension for reply within 4 th month	\$
128	1,960	280	980	Extension for reply within 5 th month	\$
120	320	220	160	Filing a brief in support of an appeal	\$
121	280	270	140	Request for oral hearing	\$
148	110	248	55	Terminal Disclaimer Fee	\$
140	110	240	55	Petition to revive - unavoidable	\$
141	1,280	241	640	Petition to revive - unintentional	\$
142	1,280	242	640	Utility/Reissue issue fee (+ advance copies)	\$
143	460	243	230	Design issue fee (+ advance copies)	\$
122	130	122	130	Petitions to the Commissioner	\$
123	50	123	50	Petitions related to provisional applications	\$
126	180	126	180	Submission of IDS	\$
581	40	81	40	Recording each patent assignment per property (times number of properties)	\$
179	740	279	370	Request for Continued Examination (RCE)	\$

Other fee (specify)

Subtotal (3) \$ 0

RECEIVED Total Amount of Payment: \$ 0

AUG 27 2002

Technology Center 2100

Submitted by:

Name: Mark W. Roberts, Ph.D.

Reg. No.: 46,160

Telephone: (206) 903-8728

Signature

Date:

8/16/02